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Benefits

Agri-Gro Bio-Stimulant

University and Independent research as well as field trials by growers around the world has shown that regular use of Agri-Gro contributes to:

Better fertilizer utilization More vigorous plant growth Improved soil conditions Increased root development Improved mycorrhizal activity Less insect and disease pressure Increased yield and crop quality

Expand the links below for an in-depth look at the benefits Agri-Gro bio-stimulant offers and ... how it works.

Improve the Bottom Line

Reduce Disease and Harmful Bacteria

Energize the Biological Life of Soil

Improve Germination and Root Development

Improve Nutrient Uptake and Increase Yields

Improve Crop Quality



LEARN MORE

Product Info Benefits Application

PACKAGING

5 gallon cases 55 gallon drums 275 gallon mini-totes

DISCLOSURE: Agri-Gro® is a nutritional supplement to the soil and plant. It is NOT a posticide, fungicide or insecticide and is not intended to replace the role of such inputs by any grower who uses such products. Any statements or reports contained herein regarding the product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem.

ME Hot Wh **PRODUCTS**

Agri-Gro Bio-Stimulant FoliarBlend Bio-Stimulant

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F: (573) 998-4769 info@agrigro com

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Çor

Turf Formula Bio-Stimulant

Agri-Cal Liquid Calcium

Bountiful Harvest Bio-Stimulant Nutri-Zyme Water & Feed Additive

IgniteS2 Soil & Starter Supplement

Indigo Wastewater Treatment

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Benefits

Agri-Gro Bio-Stimulant

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Better fertilizer utilization More vigorous plant growth Improved soil conditions Increased root development Improved mycorrhizal activity
Less insect and disease pressure
Increased yield and crop quality

Expand the links below for an in-depth look at the benefits Agri-Gro bio-stimulant offers and ... how it works.

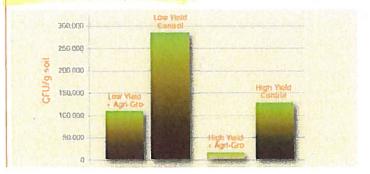
Improve the Bottom Line

Reduce Disease and Harmful Bacteria

Growers commonly notice a **reduction of pest, disease and nematode related problems** with the regular use of Agri-Gro. The beneficial bacteria stimulated by Agri-Gro help fight soll-born pathogens and their effects.

Mycorrhizal fungi colonize and extend the root system into the surrounding soil. This is very important since it allows the plant to receive improved nutrient and water uptake, disease resistance and superior survival and growth. When root mass is increased, the plant's ability to draw nutrients from the soil and its yield potential are increased accordingly.

The numbers of total microbes in a growing environment are not as important as the types of microbes that are involved. Another component of the microbial effects of Agri-Gro is the ability of this product to reduce diseases. After one year of application, AgriGro/AgriCal resulted in a suppression of several groups of bacteria that have been identified to include deleterious microbes.





LEARN MORE

Product Info
Benefits
Application

PACKAGING

5 gallon cases55 gallon drums275 gallon mini-totes

high yielding soils. This represents a 63% reduction in the low yielding soils and 92% reduction in high yielding

Research by David N. Sasseville, Ph. D. Study performed in Florida.

Energize the Biological Life of Soil

Improve Germination and Root Development

Agri-Gro enhances the germination of most any seed and increases root growth an penetration by up to 50%. Agri-Gro is also proven to significantly increase root mass and mycorrhizal fungi in the root zone. This can be contributed not only to the increase in available nutrients caused by Agri-Gro, particularly phosphorous, but also to the gibberellins, auxins and fungi contained in the product

3 Day Germination Test



Improve Nutrient Uptake and Increase Yields

Improve Crop Quality

DISCLOSURE: Agri-Gro® is a nutritional supplement to the soil and plant, it is NOT a posticide, fungicide or insecticide and is not intended to replace the role of such inputs by any grower who uses such products. Any statements or reports contained herein regarding the product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem

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GUARANTEED ANALYSIS

Boron (B)0.03%	Cobalt (Co)0.002%	Manganese (Mn)0.10%	Molybdenum (Mo)0.002%	Zinc (Zn) 0.05%
Boron (B)	Cobalt (Co)	Manganese (Mn)	Molybdenum (Mo)	Zinc (Zn)

Derived from: Boric Acid, Cobalt MEA, Manganese Sulfate, Ammonium Molybdate, Zinc Sulfate

Please read attached Boron Label Warning

WARRANTY AND LIABILITY

Limitation of Liability: In no event shall seller or manufacturer be liable for special, incidental or consequential damages, or for damages in the nature of penalties. Seller or manufacturer shall not be liable to buyer, by way of indemnification to customer or buyer, if any, for any damages, sums of money, claims or demands whatsoever, resulting from or by reason of, or rising out of the misuse or the failure to follow label warnings or instructions for use of the goods sold by the seller or manufacturer to buyer. Buyer's or user's exclusive remedy and seller's or manufacturer's total liability shall be for damages not exceeding the cost of the product.

Warranty disclaimer: Ineffectiveness or other unintended consequences may result because of such factors as presence of other materials or the manner of use or application, all of which are beyond the control of the seller or manufacturer. In no case shall seller or manufacturer be liable for consequential, special or indirect damages resulting from the use or handling of this product. The buyer or its customers shall assume all such risks. Tests have not been carried out under all possible conditions and seller or manufacturer cannot and does not warrant that the product is compatible with all other chemicals. Seller or manufacturer warrants that product is adequately contained, packaged and labeled and conforms to the affirmation of fact made on the container and label. Seller or manufacturer makes no other warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage.

Agri-Gro Marketing Inc. and seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Agri-Gro Marketing Inc.



LIQUID CONCENTRATE FOR AGRICULTURAL USE

5 U.S. GALLONS (18.92 LITERS) NET WEIGHT 44.06 LBS. (19.98 Kg.)

55 U.S. GALLONS (208.18 LITERS) NET WEIGHT 484.6 LBS. (219.8 Kg.) 275 U.S. GALLONS (1040.88 LITERS) NET WEIGHT 2423 LBS. (1099 Kg.)

CAUTION!!! KEEP OUT OF REACH OF CHILDREN DO NOT SWALLOW STORE BELOW 120 DEGREES F

Caution-Fertilizing material containing molybdenum (Mo) may result in crops containing levels of Molybdenum (Mo) which are toxic to ruminant animals

RECYCLABLE CONTAINER

MFG: F-682 Agri-Gro Marketing, Inc. HC 4 Box 333 Doniphan, MO 63935

Information regarding the contents and levels of metals in this product is available on the internet at

DISPOSE OF CONTAINERS PROPERLY

www.aapfco.org/metals.htm

SHAKE WELL BEFORE USING, STORE OUT OF DIRECT SUNLIGHT.

GENERAL INFORMATION

FoliarBlend is specifically formulated for foliar applications but may also be soil applied in certain situations. To view all timing and rates of application for your specific crop, please contact your local distributor or visit www.foliarblend.com/applications

FollarBlend is recommended for use on all crops including: alfalfa, almonds, avocados, apples, bananas, beets, berries, broccoli, brussel sprouts, cabbage, carrots, cauliflower, celery, citrus, clover, coffee, com, cotton, grapes, lettuce, grain sorghum, melons, okra, peaches, pecans, peppers, potatoes, peanuts, rice, sorghum, soybeans, sugar beets, sweet corn, sugar corn, strawberries, tobacco, tomatoes, watermelons,

DIRECTIONS FOR USE

Apply FoliarBlend at rates of 1 – 2 pints per acrebeginning at early vegetative stage of growth with applications continuing through crop maturity.

For best results spray when the crop is in an active growing state after irrigation or natural rainfall. When midday temperatures exceed 85° F, spray early in the morning or late in the afternoon for best leaf absorption. (Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops.

FollarBlend can be applied through standard ground or aerial application equipment, and through standard irrigation or fertigation systems. FoliarBlend may be mixed with most herbicides, pesticides, fungicides and iquid fertilizers.

As with any Agri-Chemical, do a compatibility check to insure proper mixing.

MIXING INSTRUCTIONS

PUT 2/3 OF WATER IN TANK.
 ADD CORRECT AMOUNT OF FoliarBlend
 ADD OTHER CHEMICALS OR FERTILIZER IF ANY.
 FILL TANK WITH BALANCE OF WATER AND

AGITATE UNTIL MIXED



CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

penalties. Seller or manufacturer shall not be liable to buyer, by way of Limitation of Liability: In no event shall seller or nunufacturer be liable for special, incidental or consequential damages, or for damages in the nature of ndennification to customer or buyer, if any, for any damages, sums of money, claims or demands whatsoever, resulting from or by reason of, or rising out of the misuse or the failure to follow label warnings or instructions for use of the goods sold by the seller or manufacturer to buyer. Buyer's or user's exclusive remedy and seller's or manufacturer's total liability shall be for damages not exceeding the cost Warranty disclaimer: Ineffectiveness or other unintended consequences may result because of such factors as presence of other materials or the manner of use or application, all of which are beyond the control of the seller or manufacturer. In no case shall seller or manufacturer be liable for consequential, special or indirect damages resulting from the use or handling of this product. The buyer or its customers shall assume all such risks. Tests have not been carried out under all possible conditions and seller or manufacturer cannot and does not warrant that the product is compatible with all other chemicals, Seller or manufacturer warrants that product is adequately contained, packaged and labeled and conforms to the no other warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product affirmation of fact made on the container and label. Seller or manufacturer makes sold, including, but not limited to merchantability, fitness for a particular purpose. use or eligibility of the product for any particular trade usage.

Agri-Gro Marketing Inc. and seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Agri-Gro Marketing Inc.

DISPOSE OF CONTAINERS PROPERLY

RECYCLABLE CONTAINER

SHAKE WELL BEFORE USING, STORE OUT OF DIRECT SUNLIGHT.

A soil fertility supplement.

2.5 U.S. GALLONS (9.46 LITERS) NET WEIGHT 21.1 LBS. (9.57 KGS.)

55 U.S. GALLONS (208.18 LITERS) NET WEIGHT 465 LBS, (210.9 KGS.)

NET WEIGHT 2324 LBS. (1054.2 KGS.) 275 U.S. GALLONS (1040.88 LITERS)

KEEP OUT OF REACH OF CHILDREN CAUTION!!!

STORE BELOW 120 DEGREES F DO NOT SWALLOW

Information regarding the contents and levels of metals in this product http:/www.aapfco.org/metals.htm is available on the internet at

Agri-Gro Marketing Inc. (F682) HC 4 Box 333 Doniphan MO 63935 Manufactured by:

Guaranteed Analysis

Boron (B)...... 0. 05% Zinc (Zn) 0. 05%

Derived from: Boric Acid, Zinc Sulfate,

GENERAL INFORMATION

Turf-Formula can be used in the seeding, applied. These various types of application enable the soil and the plant to receive benefits from Turf Formula. Turf formula has excellent storage qualities and a long shelf life. Store product above 32 degrees F in original containers only. If product freezes, return to room sprigging, sodding, and maintenance of turfgrass. Turf Formula can be applied as a foliar feed, root dip, or a seed treatment, as well as soil temperature and agitate to reconstitute. containers closed when not in use.

APPLICATIONS RATES & DIRECTIONS FOR USE

Tees and Greens

entire growing season. (Use half rates every 15 4-6 oz/1000 Sq. Ft. every 30 days throughout days if stressed and /or during hot, dry conditions.)

Fairways & Rough

growing season. (Use half rates every 15 days if stressed and /or during hot, dry conditions.) 1 quart/acre every 30 days throughout entire

Lawn Care & Sod Production

growing season. (Use half rates every 15 days if stressed and /or during hot, dry conditions.) I quart/acre every 30 days throughout entire

As with any Agri-Chemical, do a to insure proper mixing. compatibility check

MIXING INSTRUCTIONS

- 1. PUT 2/3 OF WATER IN TANK AND AGITATE. 2. ADD CORRECT AMOUNT OF TURF-FORMULA
- 3. ADD OTHER CHEMICALS OR FERTILIZER IF ANY.
 - 4. FILL TANK WITH BALANCE OF WATER AND AGITATE UNTIL MIXED.

GUARANTEED ANALYSIS 1-0-1

Total Nitrogen (N)1.00%
1.0% Urea Nitrogen
Soluble Potash (K ₂ O)1.00%
Boron (B)0.10%
Cobalt (Co)0.02%
0.02% Chelated Cobalt
Manganese (Mn)0.30%
Molybdenum (Mo)0.04%
Zinc (Zn)0.40%

Derived from: Urea, Potassium Nitrate, Boric Acid, Cobalt MEA, Manganese Sulfate, Ammonium Molybdate, Zinc Sulfate

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Limitation of Liability: In no event shall seller or manufacturer be liable for special, incidental or consequential damages, or for damages in the nature of penalties. Seller or manufacturer shall not be liable to buyer, by way of indemnification to customer or buyer, if any, for any damages, sums of money, claims or demands whatsoever, resulting from or by verason of, or rising out of the misuse or the failure to follow label warnings or instructions for use of the goods sold by the seller or manufacturer to buyer. Buyer's or user's exclusive remedy and seller's or manufacturer's total liability shall be for damages not exceeding the cost of the product.

seller or manufacturer cannot and does not warrant that the product is product is adequately contained, packaged and labeled and conforms to manufacturer makes no other warranties, guarantees, or representations otherwise, with regard to the product sold, including, but not limited to Warranty disclaimer: Ineffectiveness or other unintended consequences may result because of such factors as presence of other materials or the manner of use or application, all of which are beyond the control of the seller or manufacturer. In no case shall seller or manufacturer be liable for consequential, special or indirect damages resulting from the use or handling of this product. The buyer or its customers shall assume all such risks. Tests have not been carried out under all possible conditions and compatible with all other chemicals. Seller or manufacturer warrants that the affirmation of fact made on the container and label. Seller or of any kind, either expressed or implied, or by usage of trade, statutory or merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage.

Agri-Gro Marketing Inc. and seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Agri-Gro Marketing Inc.



JOUID CONCENTRATE FOR AGRICULTURAL USE

5 U.S. GALLONS (18.92 LITERS)
NET WEIGHT 45.5 LBS. (20.64 KGS.)@ 75 F

55 U.S. GALLONS (208.18 LITERS)
NET WEIGHT 500.5 LBS. (227 KGS.)@ 75 °F

275 U.S. GALLONS (1040.88 LITERS) NET WEIGHT 2502.5 LBS. (1135.1 KGS.) @ 75°F

CAUTION!!! KEEP OUT OF REACH OF CHILDREN DO NOT SWALLOW STORE BELOW 120 DEGREES F

CAUTION -Fertilizing material containing molybdenum (Mo) may result in crops containing levels of Molybdenum (Mo) which are toxic to ruminant animals

RECYCLABLE
CONTAINER

MFG and Guaranteed by F-682 Agri-Gro Marketing, Inc. HC 4 Box 333 Doniphan, MO 63935

Information regarding the contents and levels of metals in this product is available on the internet at www.aapfco.org/metals.htm

DISPOSE OF CONTAINERS PROPERLY

SHAKE WELL BEFORE USING, STORE OUT OF DIRECT SUNLIGHT.

GENERAL INFORMATION

IgniteS² by Agri-Gro® is a proprietary blend of macro- and micro-nutrients. IgniteS² provides supplemental plant nutrition that improves early plant development.

IgniteS² is formulated for all field, fruit, and vegetable crops.

IgniteS² is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops.

DIRECTIONS FOR USE

Broadcast Soil Application: IgniteS² may be soil applied in the spring and fall at a rate of 1-2 gallons per acre, per application.

Row Application: IgniteS² may be applied infurrow or 2x2 with all liquid starters at a rate of 1-2 quarts per acre at planting.

IgniteS² can be applied through standard ground application equipment or drip irrigation systems and may be mixed with most herbicides, pesticides, fungicides and liquid fertilizers.

For timing and rates of application for specific crops, please contact your dealer.

As with any Agri-Chemical, do a compatibility check to insure proper mixing.

MIXING INSTRUCTIONS

- PUT 2/3 OF WATER IN TANK.
 ADD CORRECT AMOUNT OF IgniteS²
- ADD OTHER CHEMICALS OR FERTILIZER IF ANY
 FILL TANK WITH BALANCE OF WATER AND AGITATE UNTIL MIXED.

GUARANTEED ANALYSIS

 Boron (B)
 0.05%

 Zinc (Zn)
 0.05%

 Derived from: Boric Acid, Zinc Sulfate

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Limitation of Liability: In no event shall seller or manufacturer be liable for special, incidental or consequential damages, or for damages in the nature of penalties. Seller or manufacturer shall not be liable to buyer, by way of indemnification to customer or buyer, if any, for any dam- ages, sums of money, claims or demands whatsoever, resulting from or by reason of, or rising out of the misuse or the failure to follow label warnings or instructions for use of the goods sold by the seller or manufacturer to buyer. Buyer's or user's exclusive remedy and seller's or manufacturer's total liability shall be for damages not exceeding the cost of the product.

consequences may result because of such factors as presence of shall seller or manufacturer be liable for consequential, special or indirect damages resulting from the use or handling of this product is compatible with all other chemicals. Seller or packaged and labeled and conforms to the affirmation of fact made on the container and label. Seller or manufacturer makes otherwise, with regard to the product sold, including, but not Warranty disclaimer: Ineffectiveness or other unintended other materials or the manner of use or application, all of which are beyond the control of the seller or manufacturer. In no case product. The buyer or its customers shall assume all such risks. Tests have not been carried out under all possible conditions and seller or manufacturer cannot and does not warrant that the either expressed or implied, or by usage of trade, statutory or limited to merchantability, fitness for a particular purpose, use or manufacturer warrants that product is adequately contained, no other warranties, guarantees, or representations of any kind, eligibility of the product for any particular trade usage.

Agri-Gro Marketing Inc. and seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Agri-Gro Marketing Inc.



LIQUID CONCENTRATE FOR AGRICULTURAL USE

2.5 U.S. GALLONS (9.46 LITERS) NET WEIGHT 21.1 LBS. (9.57 KGS.)

55 U.S. GALLONS (208.18 LITERS) VET WEIGHT 465 LBS. (210.9 KGS.) 275 U.S. GALLONS (1040.88 LITERS) NET WEIGHT 2324 LBS. (1054.2 KGS.)

CAUTION!!! KEEP OUT OF REACH OF CHILDREN DO NOT SWALLOW STORE BELOW 120 DEGREES F

RECYCLABLE

MFG: F-682 Agri-Gro Marketing, Inc. HC 4 Box 333 Doniphan, MO 63935 Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm

DISPOSE OF CONTAINERS PROPERLY

SHAKE WELL BEFORE USING, STORE OUT OF DIRECT SUNLIGHT.

GENERAL INFORMATION

Agri-Gro can be used as a seed treatment, root dip, foliar feed and also as a soil application. These various types of application enable the soil and the plant to receive direct benefits from the nutrients found in Agri-Gro.

Agri-Gro is recommended for application on the following crops: Alfalfa, almonds, avocados, apples, bananas, beets, berries, broccoli, brussel sprouts, cabbage, carrots, cauliflower, celery, citrus, clover, coffee, corn, cotton, grapes, lettuce, grain sorghum, melons, okra, peaches, pecans, peppers, potatoes, peanuts, rice, sorghum, soybeans, sugar beets, sweet corn, sugar cane, strawherries, tobacco, tornatoes, watermelons, wheat.

DIRECTIONS FOR USE

Row or Band Application: Apply 8-32 ounces Agri-Gro per acre, just before or at planting time.

Broadcast Application: Apply 16-32 ounces Agri-Gro per acre prior to planting and work into the top 3-5 inches of soil.

Follar Application: Agri-Gro may be foliar applied up to the bloom or boot stage of plant growth at the rate of 16-32 ounces per acre. For best results spray when the crop is In an active growing state after trigation or natural rainfall. Spray early in the morning or late in the afternoon for best leaf absorption. (Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops.

Agri-Gro can be applied through standard ground or aerial application equipment, and through standard irrigation or fertigation systems. Agri-Gro may be mixed with most nerbicides, pesticides, fungicides and liquid fertilizers.

As with any Agri-Chemical, do a compatibility check to insure proper mixing.

MIXING INSTRUCTIONS

PUT 2/3 OF WATER IN TANK.

ADD CORRECT AMOUNT OF AGRI-GRO.
 ADD OTHER CHEMICALS OR FERTILIZER IF ANY.
 FILL TANK WITH BALANCE OF WATER AND

AGITATE UNTIL MIXED.

,

BIGGER YIELDS FROM THE GROUND UP

Healthier Soils | Stronger Plants | Higher Yields





YOU'RE ALREADY STANDING ON THE KEY TO BIGGER YIELDS AND BETTER PROFITS



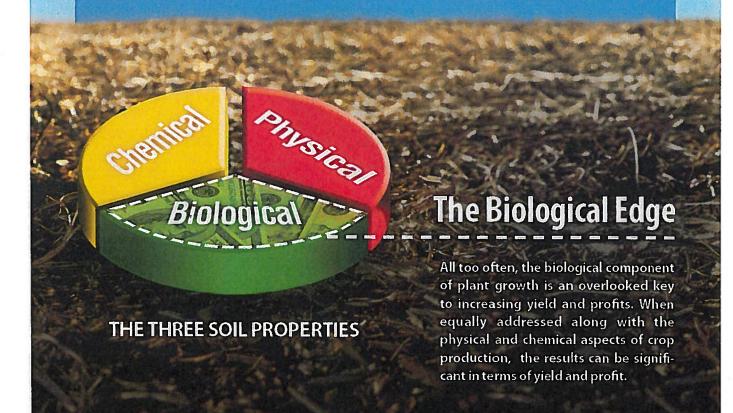
In order for growers to maximize their yield and profit potential, they must look beyond the standard options to their soil and plant's biological systems.

Today's farming environment has become a survival of the fittest with growers pushing the limits to get the most from every acre of production. In the last decade, significant technological advances have been made that push limits further than ever before. When you consider the numerous advancements in farm equipment, plant genetics and chemicals ranging from herbicides to fungicides to insecticides, the choices and technologies available to today's farmer are staggering.

In order for growers to maximize their yield and profit potential, they must look beyond the standard options like the newest trend in equipment, the latest seed genetics or the hottest chemical that promises to solve their problems. Even bumping fertilizer (N-P-K) rates, expecting yields to jump accordingly, is simply not the answer to better profits and higher yields. To truly maximize yield and increase profit margin, one must look beyond the obvious physical and chemical fixes, and consider the critical

role the soil's biological life plays in crop production. In fact, many yield and disease problems are caused by the neglect of this essential component in crop production which, unfortunately, is all too often overlooked by most growers.

What if you could simply tank mix a product to your normal spray program that has a targeted effect on the soil and plants' biological system — one that improves soil structure, increases fertilizer efficiency, improves plant growth, boosts yields and lowers disease pressure? FoliarBlend' is designed to do just that and more. FoliarBlend does what chemicals, fertilizer and physical tillage alone can't, and it fills a growing void that is missing in today's agriculture. Don't let the name mislead you. FoliarBlend is just as effective in the soil as it is on the plant. Smart growers looking for an edge are quickly discovering just how rewarding FoliarBlend can be, both in the field and in the bank.



Performance In The Field

Field tests show that **FoliarBlend**, when added to full or reduced rates of fertilizer, has consistently outperformed full rates of N-P-K alone. Research and grower testimonials also indicate that **FoliarBlend** is superior to other bio-stimulant technologies, especially when comparing its ease of application, impact on yield, effect on plant and soil health, the cost savings received from reduced fertilizer and chemical inputs, and the return on investment from using the product.

"If you do a test plot with FoliarBlend, it will prove itself and put more money in your pocket. It pays for itself in a hurry if you use it right."

> Les Thomas Missouri rice and soybean producer

COST SAVINGS YOU CAN SEE

FoliarBlend is cost effective for virtually any grower regardless of size. Growers routinely report a profit from FoliarBlend from the savings they realize in fertilizer and chemical inputs alone. When you add FoliarBlend's impact on yield, the financial return can be significant. In fact, we feel a grower should receive a "minimum" of \$3 returned for every \$1 spent on FoliarBlend or else we are simply not doing our job. Most growers discover their return to be far greater, especially in high value specialty crops like fruits and vegetables.



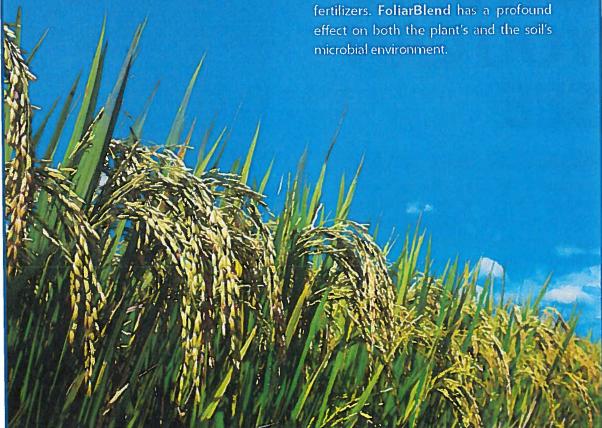
Unlock your crops' potential and bank on bigger yields.

FACING THE CHALLENGE

Extreme temperatures, adverse weather conditions, disease, insect pressure, inadequate and imbalanced plant nutrition—all of these conditions can rob your crops of the yield and profits you deserve. When applied as part of a good management program, FoliarBlend works to keep your plants and the immediate soil environment, "spiked up" with the nutrition and growth supplements required to maximize yield and minimize plant stress.

FoliarBlend simply helps a plant to reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, strengthening the plants' natural defense system and building a healthy, disease suppressive growing environment. Research has proven that crops treated with FoliarBlend are healthier and experience less disease pressure, have improved nutrient availability, establish larger root systems with stronger stalks and higher yields.

FoliarBlend represents a new generation of bio-stimulant technology. Containing complex carbohydrates, plant essential macro and micronutrients, a proprietary blend of beneficial enzymes, amino acids and a host of naturally occurring plant and soil stimulants not found in ordinary fertilizers. FoliarBlend has a profound effect on both the plant's and the soil's microbial environment.







Healthier Soils | Stronger Plants | Higher Yields | Better Profits

BENEFITS AT A GLANCE

- Better yields, higher test weight and greater crop quality.
- Triggers an explosion of beneficial soil bacteria which speeds up the breakdown of crop residue, build humus and improves soil structure, drainage and tilth.
- Increases healthy indigenous microbial activity in the soil or growing medium with increases of 3400% demonstrated within three days of application.
- by up to 60% compared to non-treated soils by speeding up the breakdown and improving the availability of both naturally occurring and applied nutrients. Depending on soil test levels, growers may be able to reduce P & K inputs up to 50%.
- Improves germination, plant emergence and promotes vigorous root growth up to 50%.
- Elevates the plants' natural defense mechanisms, improving plant health, minimizing disease, insect pressure and weather-related stress. Many growers with disease pressure report a reduction in fungicide use by 50% or more.

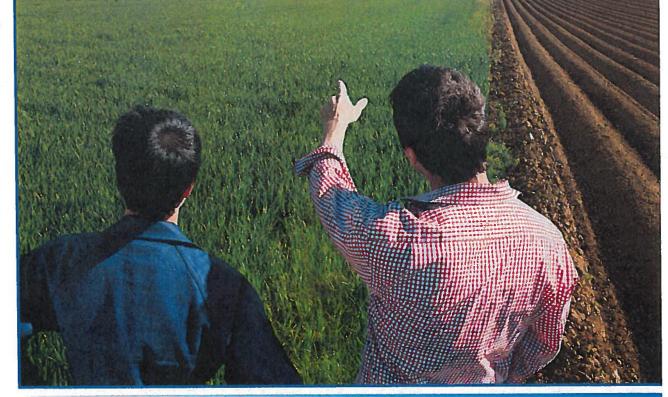
- Offsets the negative effect of glyphosate by minimizing "yellow-flash" and reducing soil pathogen counts including Fusarium and Pythium species.
- Lowers sodium levels in the soil and has shown to reduce nematode counts.
- Derived from many different types of beneficial bacteria—including aerobic and anaerobic microorganisms—the product is effective in both well drained and tight soils.
- A source of essential micronutrients, proteins, enzymes, amino acids and complex carbohydrates not available in ordinary fertilizers.
- Can be easily applied in conjunction with other liquid applications, pesticides, herbicides, fungicides and fertilizers through ground, air or fertigation systems.
- When stored properly, FoliarBlend has a shelf life of four years without losing effectiveness.



FoliarBlend delivers a wide range of benefits for growers who want to create a healthier, more efficient growing environment and maximize their return on investment. University research, as well as independent field trials by growers around the world, show that regular use of FoliarBlend contributes to better fertilizer utilization, improved plant growth and vigor, increased root development, better soil conditions, less disease and insect pressure, higher yields and better crop quality.

SOILAPPLICATION

IT'S ABOUT GETTING WHAT YOU'VE ALREADY PAID FOR



If your soil is like most, you probably have an abundance of insoluble nutrients that are not available to your crops. Many of these nutrients are fertilizers you've invested in but are receiving no benefit from. FoliarBlend can access these nutrients and put them to work for your crop this growing season.

When soil applied or placed in furrow at planting, the active ingredients in Foliar-Blend trigger natural biological processes that create an explosion of beneficial microbial growth of 3,000% or more within the first 72 hours of application. This increased enzymatic and microbial activity works to release insoluble nutrients in the soil and convert them to a soluble form plants can utilize. By improving the uptake and availability of applied fertilizers and those nutrients presently in the soil, FoliarBlend helps "Get What You're Paying For" out of the soil and into the plant.

This tremendous increase in the availability of nutrients has a direct effect on the growth and development of your crops, resulting in healthier, higher quality plants with better yields. By improving nutrient uptake, the yield and quality of forage and feed crops are also improved considerably. Increases in tonnage of 10 to 20% and relative feed values of 20 to 50 points are quite common with Foliar Blend on these type of crops.

University testing has proven that when applied broadcast to the soil or placed infurrow at planting, the active ingredients in FoliarBlend create significantly higher concentrations of available nitrogen, calcium, copper, potassium, magnesium, manganese, phosphorus, boron, molybdenum, iron and zinc compared to untreated soils. FoliarBlend also boosts the concentration of these nutrients in the vegetative tissue as well, having a positive result on yield, test weight and quality.



In a detailed University study, the ingredients in FoliarBlend significantly increased the uptake and availability of 12 macro and micronutrients while lowering the levels of sodium in the soil and plant tissue. Conclusion: FoliarBlend not only improves yield and plant growth, but has the potential to reduce environmental pollution by more efficient utilization of fertilizer nutrients and thus the potential reduction of applied fertilizers.

Research conducted by Lincoln University, Jefferson City, MO David Susseville Ph. D.



Increased Microbial Activity, Improved Nutrient Cycling and Better Residue Management

In nature, when plants and animals expire, over time they decay with exposure to water, sun, air and the family of naturally occurring microorganisms called decomposers. However, in most commercially farmed soils, biological activity in the soil has become very low. This leaves partially decomposed organic matter and crop residue to accumulate, minimizing the soil's effectiveness to transfer nutrients and increasing the risk of seedling disease. The result is a greater dependence on applied fertilizers and chemical fungicides to sustain favorable growing conditions.

FoliarBlend re-invigorates this natural biological process by increasing the populations of indigenous decomposing microorganisms in

the soil. In fact, research by EMSL Labs, New York, NY, verified FoliarBlend was able to stimulate microbial activity by 3400% within 24 hours of application. This improves the natural bio-degradation process which allows the earth to recycle itself, resulting in more organic matter and the production of humus, a valuable source of plant nutrition. By stimulating microbial activity, crops benefit from an increase in available nutrients as well as the production of plant beneficial proteins, enzymes, antibiotics, and growth stimulants these microbes generate. The plant/soil system becomes healthier and more efficient in its uptake of nutrients, requiring less water and applied fertilizers to produce higher crop yields.

QUALITY OVER QUANTITY

More of the Good, Less of the Bad

While high microbial populations in a growing environment are important, a better indication of a soil's health and production capabilities are the types of microbes involved. This brings to light another advantage of FoliarBlend, the ability to minimize disease and soil borne pathogens while elevating the numbers of beneficial species. In numerous replicated studies the Foliarblend treated plots had significantly lower levels of delerterious and disease causing microbes in a variety of soil types.

IN USDA-ARS
RESEARCH, the
FoliarBlend
treated plots
had lower levels
of fusarium colonization by 66%.

Deleterious Soil Bacteria Counts after 1 Year with FoliarBlend



The above chart reflects the levels of soil borne pathogenic microbes in both low yielding and high yielding soils. This represents a 63% reduction in the low yielding soils and 92% reduction in high yielding soils. Study performed in Florida.

SOIL BENEFITS AT A GLANCE

Soils with low levels of microbial activity will not be as productive as those with elevated levels of beneficial micro-organisms, regardless of the amount of fertilizer applied.

- Improves soil structure; tilth, porosity and friability.
- Assists in seed germination and early plant growth.
- Improves development of root systems.
- Improves the availability of resident soil minerals and fertilizer materials.
- Aids in the detoxification of pollutants (chemical residues, salts).
- Improves natural resistance to pests and drought.
- Minimizes the impact of pH extremes.
- Improves water management within soil.
- Improves crop quality and yields.

FOLIAR FEEDING

AN IMPORTANT LINK TO HEALTHIER PLANTS & HIGHER YIELDS

What can you do to maintain top Yield Potential?

The best defense against yield loss and disease is a healthy plant. Maintaining a high nutrient content helps to ensure plant health. Compatible with most liquid fertilizers, and chemicals, FoliarBlend is an easy way to improve plant growth, yield and quality. Applications timed before or during key growth stages in crop development or nutrient demand can help plants overcome "hidden hunger," where nutrient availability falls short of crop demand for top yields.

Plants seldom have all the nutrition or energy they need to maintain all the blooms or kernels they have initiated. Too often, many of the blooms fall off or kernels slough off in the early stages of development and yields suffer. FoliarBlend can help the plant hang on to more flowers or kernels and keep pushing through critical stages of growth for increased yields.

Designed for rapid absorption on the plant's leaf surface, the nutrients and growth stimulants found in FoliarBlend enhance photosynthesis and the plant's ability to provide carbohydrates, proteins and other needed growth compounds. These essential compounds are then transferred throughout the plant including the root system. From the root system, some of these move out into the rhizosphere (the soil zone that surrounds the roots), feeding bacteria, algae, fungi and protozoa which in turn produce a broad spectrum of beneficial enzymes, organic acids, antibiotics and other valuable growth stimulants. These compounds are re-absorbed by the roots and transported back throughout the plant system increasing yields and producing healthier, nutrient rich crops the way nature intended.



FoliarBlend can be compared to an immunization shot, ensuring the plant's defense systems are in a high state of readiness to respond when stress occurs.

It's Like an Immunization Shot For Plants

It bears repeating, the best defense against yield loss and disease is a healthy plant. FoliarBlend supplies nutrition and powerful growth stimulants, but it also has ingredients designed to strengthen the plant's natural defense system. Regular applications of FoliarBlend elevate the plant's natural defense system against a range of disease causing fungi, bacteria and viruses. This also improves the plant's ability to better withstand environmental stress and may reduce the impact of insect damage on crops.

FOLIAR BENEFITS AT A GLANCE

- Boosts yields and plant health
- Tank mixes with most all liquid fertilizers and chemicals for easy application
- Improves photosynthesis
- Improves root development
 - Strengthens plants and improves natural resistance to disease, pests and stress, reducing the need for chemical pesticides and fungicides
 - Stimulates vegetative plant growth
 - Stimulates reproductive plant growth
 - Stimulates plant metabolism
 - Enhances cell division and elongation

ENVIRONMENTAL EFFECT FoliarBlend is design

FOLIARBLEND'S IMPACT ON WATER

FoliarBlend is designed to safely promote plant growth, improve soil conditions and enhance water conservation.

Real world experience has shown that the addition of FoliarBlend as part of a comprehensive fertilization program may help reduce water consumption in some cases by as much as 30%! While the exact level of water reduction will be affected by many variables, you can count on FoliarBlend's ability to improve the water efficiency of plants in the following ways:

- Increases root mass; improving water uptake and absorption
- Better water regulation and retention within the plant
- Improved porosity, friability and drainage in the soil

Real world experience has shown that the addition of FoliarBlend may help reduce water consumption by as much as 30%!

Increases root mass; improving water uptake and absorption.

FoliarBlend increases the availability of phosphorus and other essential plant nutrients in the soil. Phosphorus is important in root growth and development. With increased root growth, there is a larger root surface with which to take up water and other nutrients, making the plant more efficient. With a more extensive root system, the roots occupy a larger volume of soil, which in turn, increases the volume of water available to the plants.

Better water regulation and retention within the plant.

FoliarBlend influences other essential plant nutrients making them more available to plants. For example, FoliarBlend increases potassium levels in the plant. Potassium regulates water uptake by controlling transpiration through the leaves. Potassium also helps to move nutrients into and within the plant. Other plant nutrients, such as calcium, influence the thickness of cell walls and also the thickness of the cutin layer on leaves, stems and fruits. The cutin layer is the waxy surface on plants that reduces water loss.

IMPROVED POROSITY, FRIABILITY AND DRAINAGE IN THE SOIL.

FoliarBlend increases the porosity of many soils and makes the soil looser. Roots have difficulty penetrating heavy clay soils. FoliarBlend increases the friability (looseness) of soils enabling roots to be longer, deeper, and more branched. This increased root growth increases the surface area of the roots, the volume of soil and amount of water available to the plant. Another aspect of increasing friability is that with increased air space, the water holding capacity of the soil also increases. Thus, there is more water available to the roots in a given volume of soil. As the soil becomes more porous, water more easily drains from the soil. While this would appear to have a negative effect on water conservation for lawns and gardens, it does not. Plant roots require oxygen to grow and thrive. They require oxygen to take up plant nutrients and water. If the soil around the roots is too wet (a condition called "wet feet"), the plants do not have enough energy (from respiration) to take up water and essential nutrients. That is why over-watering can cause a plant to wilt. Poorly drained clay soils tend to become wet and stay wet, making it difficult for plants to take up water. What is needed is a balance between water and air in soil pores. FoliarBlend, by increasing friability, porosity, and good drainage, helps increase the water efficiency of plants and contributes to water conservation.

IF YOU USE GLYPHOSATE, YOU NEED FOLIARBLEND

Research has shown that Glyphosate, the active ingredient in Roundup*, can suppress the formation of nitrogen nodules on soybean roots and temporarily weaken the plant's immune response and defense mechanisms. This negative effect is further magnified when conditions place the plant under stress from environmental conditions or attack from pests or disease.

Hundreds of university and independent studies have shown there is a yield drag of 5 to 10% with Roundup Ready* (RR) varieties compared to comparable conventional varieties grown under similar and favorable conditions. Ongoing research on yield drag in RR soybeans points to the following four possible explanations detailed on the following pages.

FOLIARBLEND OFFSETS THE YIELD DRAGGING EFFECTS OF GLYPHOSATE.



First, Glyphosate is a strong chelating agent which binds divalent micronutrients in the plant, especially manganese and iron. Flashing or yellowing of young leaves of RR crops is often the result of glyphosate binding these divalent micronutrients.

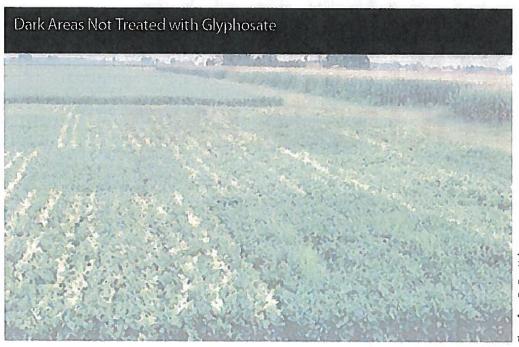


Photo from Dr. Don Hube

While FoliarBlend contains a variety of micronutrients, it may not be sufficient to overcome a severe nutrient deficiency in the soil or plant. Only soil testing and tissue analysis can determine the adequacy of available nutrients for optimum plant nutrition.

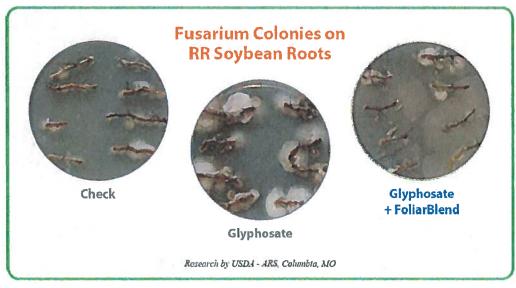
Second, Glyphosate, the active ingredient in Roundup*, can suppress the formation of nitrogen nodules on soybean roots. This reduction decreases the amount of nitrogen available to the soybean plant and can reduce yields. This effect from applied glyphosate is greater when the crop is under stress from conditions such as drought. The effect of glyphosate is likely on the suppression of rhizobium, the symbiotic bacteria required for nodulation, but it may also be from a broader effect on the normal physiology of the soybean plant.





Third, Glyphosate application temporarily weakens the RR soybean plant's immune response and defense mechanisms, especially when conditions place the plant under stress from environmental conditions or attack from pests or disease. With the plant's ability to defend itself at a weakened level, the plant is more susceptible to disease and insect pressure resulting in yield loss.

Fourth, In addition to suppressing the plant's natural defense system, research indicates that glyphosate also promotes the proliferation of opportunistic disease causing pathogens in the soil, most notably the Fusarium and Pythium spp. Studies reveal that RR soybean plants treated with glyphosate have much higher levels of these pathogens on the roots compared to RR soybean plants not sprayed with glyphosate. While RR soybean plants are not normally killed by these diseases, the plants must use valuable energy to protect themselves from these pathogens, which likely contributes to yield reductions.





FoliarBlend aids in reducing the pathogenic stress on RR soybean plants caused by glyphosate.

In 2006 through 2008, research was conducted between the University of Missouri and the USDA-ARS in Columbia, Missouri. The purpose of this research was to track FoliarBlend's impact on crop yield along with measuring its ability to reduce pathogenic Fusarium colonies around the roots of RR soybean plants. As evidenced by the photographs above, fungal populations around the roots of RR soybeans treated with glyphosate were significantly higher compared to the check RR soybeans not treated with glyphosate. However, on RR soybeans treated with both glyphosate and

FoliarBlend, the fungal populations were comparable to the non-treated roots. In fact, this trend held consistent throughout the entire course of the study with Foliar-Blend treated plots having lower fusarium colonies in 100% of the test strips in 2006 – 2008. The average count of Fusarium colonies on the soybean roots over the entire 3 year study was 103.1 CFU/100 cm of roots for the glyphosate control plot and 48.6 CFUs for the FoliarBlend treated plot.

SO, WHAT CAN FOLIARBLEN DO TO HELP?

FoliarBlend contains numerous chelated micronutrients, including manganese and iron, which can reduce the nutrient tie up effect caused by glyphosate on RR crops. Since the micronutrients in FoliarBlend are chelated, it can be tank mixed with glyphosate to minimize "yellow flash" symptoms without reducing the efficacy of the herbicide. In fact, most growers report improved herbicide performance and weed control when glyphosate is applied in conjunction with FoliarBlend, For added insurance against "yellow flash" symptoms and resulting yield drag, it is advisable to add AgriGuardian™ Micro Mix to all glyphosate applications. Field trials have shown the combination of FoliarBlend and Micro-Mix can further enhance yield, plant health and crop quality.

Glyphosate kills by shutting down the natural defense system within the targeted weed species. This is done by chelating and making unusable — key micronutrients required by certain biochemical pathways within the plant. Another primary target of glyphosate is to shut down



the Shikimate Pathway within the plant. This pathway produces Salicylic Acid, the signaling compound known to activate SAR (Systemic Acquired Resistance) within the plant. SAR in turn activates the plant's natural defense system which can provide long lasting, broad-based resistance to environmental stress and disease causing pathogens.

While RR crops can tolerate glyphosate without being killed, evidence shows that glyphosate does suppress the plant's natural defense system and a real Yield Drag

effect does exist. By glyphosate temporarily suppressing the shikimate pathway, the plant cannot produce salicylic acid. Without salicylic acid, the plant's natural defense system (SAR) cannot be activated, leaving the plant more susceptible to yield loss from environmental stress and attack from various pests and disease causing pathogens.

AN OUNCE OF PREVENTION...

While plants have a natural defense system (SAR) to fight off stress from disease and adverse conditions, their defense system is not activated until the plant actually comes under stress from disease or environmental stress. In other words, the plant's ability to fight off disease and stress is delayed until the attack strikes, catching the plant in a low state of readiness to ward off the effect and minimize yield loss. The ingredients in FoliarBlend actually engage and elevate the plant's natural defense system prior to any period of stress. This makes the plants stronger, healthier and better prepared to fend off disease, weather related stress and other factors that can rob your crop of valuable yield.





Soybeans

Two-year average from replicated USDA and University of Missouri research yielded an additional 9.8 bushel/acre in Roundup Ready and conventional soybeans.

Levels of Fusarium colonization lowered by 66%.

Fusarium colonization is an indicator of the potential fungal infection of roots leading to disease.

Levels of Mn reducing bacteria increased by 76%.

Mn reducing bacteria transform manganese to plant available forms.

Two-year average, USDA & University of Missouri replicated study

Roundup Ready™ Research

USDA & University of Missouri

Replicated Research, 16 oz/acre of FoliatBlend applied at V3 and R4 growth stage. (p < 0.05)

Control Plot: 46.3 bushels/acre

FoliarBlend: 60.4 bushels/acre Results Using
FoliarBlend On Soybeans
14.1 Bushels Per
Acre Increase!

In a five-year independent study, the **FoliarBlend** plot with a 33% reduction in P & K rates, increased soybean yields by an average of 8 bushels/per acre compared to the check plot which received full rates of P & K. This represents an average of \$51.03/acre more net profit each year.

5 Year Missouri research

Conventional Research

USDA & University of Missouri

Replicated Research, 16 oz/acre of FoliarBlend applied at V3 and R4 growth stage. (p < 0.05)

Control Plot: 33.2 bushels/acre

FoliarBlend: 47.6 bushels/acre Results Using
FoltarBlend On Soybeans
14.4 Bushels Per
Acre Increase!

THE RESULTS SPEAK FOR THEMSELVES!



Corn

Two-year average from replicated USDA and University of Missouri research yielded an **additional 17 bushel/acre** in Roundup Ready corn.

Levels of Fusarium colonization lowered by 48%.

Fusarium colonization is an indicator of the potential fungal infection of roots leading to disease.

Levels of Mn reducing bacteria increased by 263%.

Mn reducing bacteria transform manganese to plant available forms.

Two-year average, USDA & University of Missouri replicated study

Increased corn yields by 14 bushels/acre at University of Missouri's Management System Evaluation Area (MSEA) University of Missouri.

Roundup Ready™ Research

USDA & University of Missouri

2008 Replicated Research, 16 oz/acre of Foliar Blend applied at V4 and V8 growth stage. (I.s.d. 0.05)

Control Plot: 199.4 bushels/acre

FoliarBlend: 224.1 bushels/acre

Results Using
FoliarBlend On Corn
24.7 Bushels Per
Acre Increase!



Rice

52% increase in number of panicles

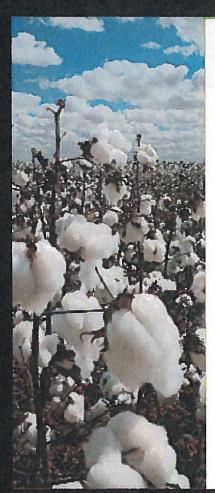
37% increase in dry biomass

25% increase in dry root biomass

33% yield increase

Less symptoms of rice tungro virus & ragged stunt virus

Rice Research Conducted by The College of Technical Engineering and Agriculture Cuu long Delta Rice Research Institute — Vietnam



Cotton

FoliarBlend produced 90 pounds additional lint/acre over check plots (six-plot average) and 213 lbs. of additional seed cotton/acre.

University of Tennessee Extension

Based on four replications, **FoliarBlend** increased lint yield by 120 lbs/acre and seed cotton by 267 lbs/acre.

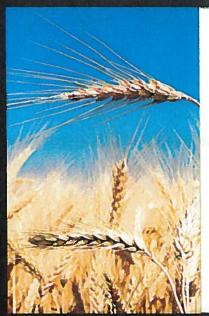
Shoffner Research Farm, Newport, AR

FoliarBlend plot produced 119 pounds additional lint/acre over check plot.

Test replicated 4 times, University of Missouri

A single in furrow application of **FoliarBlend** produced 77 pounds additional lint/acre over check plot.

Test replicated 4 times, University of Arkansas



Wheat

18 bushels/acre increase over control and increase test weight from one spring foliar application.

Irrigation Research Foundation; Yuma, Colorado

Research

Irrigation Research Foundation
2009 Research, 2 pints of Foliar Blend applied in 1 foliar application.

Control Plot: 57.5 bushels/acre

FoliarBlend: 75.71 bushels/acre Results Using
FoliarBlend On Wheat
18 Bushels Per
Acre Increase!

MORE FOLIARBLEND CROP RESULTS...



Snap Peas

In 'Roma II' and 'Hialeah' varieties, FoliarBlend increased yields by 17.4 bushels/acre over the check plot. This represents an increase of \$144.25/acre in net profit.

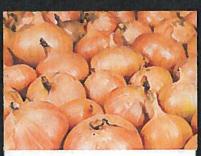
Test replicated 6 times. University of Tennessee



Carrots

FoliarBlend increased yields by 113% in weight and 16% in numbers in 'Fullback' carrots over the check plot.

Test replicated 4 times. SEMO State University



Onions

In a study comparing 16 different growth additives, FoliarBlend came out on top in all areas, producing the highest yield, grade and a profit of \$633/acre more than check plot.

Test replicated 6 times. Oregon State University

FoliarBlend increased yields by 93% over the check plot.

Test replicated 4 times. SEMO State University



Tomatoes

FoliarBlend increased yields by 122% in weight and 104% in numbers in 'Husky' tomatoes.

Test replicated 4 times. SEMO State University



Potatoes

FoliarBlend increased premium potato yields by 36.8% and grade A potato yields by 26% compared to the check plot. This represented an increase of \$815/acre more profit.

University of Florida/ Wetumpka Fruit Co.



Watermelon

In 'Jubilee' and 'Crimson Sweet' varieties, Foliar-Blend produced 243 more melons/acre weighing an additional 5,940 pounds over the check plot.

Test replicated 6 times. University of Tennessee

FoliarBlend vs. other bio-stimulants

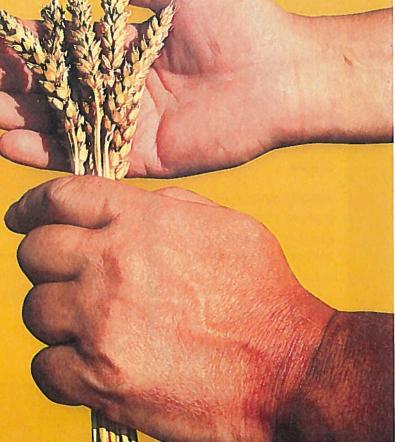
There are several so called "bio-stimulant" products on the market today that range from simple formulations containing products like beer, soap, apple cider and humic acid, to more sophisticated solutions that contain enzymes, amino acids and live species of beneficial bacteria. Some are effective, some are not; however, none are able to match the benefits of FoliarBlend when you compare cost, performance and ease of application. Unlike competing brands, FoliarBlend utilizes a proprietary stabilization process that allows it to be tank mixed with core inputs. Being able to tank mix and apply FoliarBlend in conjunction with liquid fertilizers, herbicides, fungicides and pesticides represents a sig-

When stored properly, FoliarBlend also has a guaranteed shelf life of four years which further separates it from other products on the market today.

nificant savings in application

costs alone.

Many competing products break down and lose their effectiveness in a short period of time. For some, deterioration and loss of efficacy can begin in less than 30 days. Should unforeseen circumstances prevent you from applying FoliarBlend this year, you can be assured that when stored properly, you will get 100% effectiveness next year!





HOW TO USE FOLIARBLEND

Apply to the soil, seed, and plant foliage. Total applications of 32 – 48 oz./acre are typical for field crops with 16 oz./acre applied broadcast or in furrow at planting, followed by one to two foliar applications at 16 oz./acre each. If only one foliar application is made, rates up to 32 oz./acre may be used.

FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5-gallon containers, 55-gallon drums, 275-gallon mini-totes or bulk tanker load quantities.





Field Crop Usage

The applications listed may be applied in conjunction with corresponding liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use a minimum of 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake, larger root mass, earlier fruiting and increased fruit retention. It is not a replacement for fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Wheat & Other Small Grains

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz per bushel, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–24 ozs. per acre prior to jointing.
- Apply 16–24 ozs. per acre at the flag leaf stage. If Step 1 is missed, apply 32 ozs. per acre at the flag leaf stage.

Cotton

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16 ozs. per acre at the 3–7 leaf stage.
- Apply 16 ozs. per acre at the pinhead square stage.
- Apply 16 ozs. per acre at early bloom.

Soybeans

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre at the 3–5 trifoliate leaf stage.
- Apply a second application of 16–32 ozs. per acre at prebloom to pod set. If Step 1 is missed, apply 32 ozs. per acre prior to bloom.

Corn & Grain Sorghum

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz per 50lb bag, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–24 ozs. per acre at the 3–5 leaf stage.
- Apply 16–24 ozs. per acre anytime from pre tassel to just after pollination has completed.

Rice

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz per bushel, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces pr acre with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre when the rice seedling has 3 fully emerged leaves but before the seedling has completed development of 7 leaves or 3 tillers.
- To boost yields and stimulate cell differentiation, apply at the rate of 16-32 ozs. per acre immediately after internode elongation or joint movement has begun.



Tobacco

- Apply 16 ozs, of FoliarBlend per 100 gallons of setting water.
- Apply 16 32 ounces per acre with preplant herbicide.
- Apply 16 ounces per acre with each foliar spray made with liquid fertilizer or insecticide.

Sunflowers & Oilseeds

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16 ozs. per acre at 4–8 inches in growth.
- Apply 16 ozs. per acre at flowering stage.

Peanuts

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16 ozs. per acre at the 3-5 leaflet stage.
- Apply 16 ozs. per acre at initial pegging.
- Apply 16 ozs. per acre 10-14 days after the second foliar application.
- Apply 16 ozs. per acre during pod fill.

Alfalfa, Hay & Forage Crops

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz per 50 lb bag, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre broadcast with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre in the spring as soon as growth begins and continue applying 16 ozs. per acre 7-10 days after each cutting or heavy pasturing.



Vegetable Usage

The applications listed may be applied in conjunction with corresponding liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gals. of water per acre. FoliarBlend may also be applied through properly equipped irrigation and fertigation systems.

Compatibility: FoliarBlend is compatible with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake, larger root mass, earlier fruiting and increased fruit retention. It is not a replacement for fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Edible Beans —

Green, Lima, Dry, Snap, Pintos, Black Turtles, Marrowfats, Great Northern, Navy, Yellow Eyes, Kidney, Garbanzo & Seed

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre when the first trifoliate is unfolded.
- Apply 16–32 ozs. per acre 2 weeks after Step 1.
- Apply 16–32 ozs. per acre at first bloom.

Carrots, Onions, Leeks, Radish Sugarbeets, Parsnip, Rutabaga & Turnips

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre at 3-4 inches in growth.
- Apply 16-32 ozs. per acre 2-3 weeks after Step 1.
- Apply 16-32 ozs. per acre 2-3 weeks after Step 2.

Broccoli, Cauliflower, Cabbage, Lettuce & Spinach

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when 4-6 true leaves are formed.
- Apply 16-32 ozs. per acre 2 weeks after Step 1.
- Apply 16-32 ozs. per acre 2 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 16 ozs. per acre at 7–10 day intervals after the first application throughout the growing season.

Cantaloupe, Pumpkins, Watermelon, Honeydew, Cucumber & Squash

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when the 3rd leaf begins to unfold.
- Apply 16-32 ozs. per acre 2–3 weeks after Step 1.
- Apply 16-32 ozs. per acre 2-3 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre at 7–10 day intervals after the first application throughout the growing season.

Pepper, Tomato, Eggplant & Okra

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when the plant has 3-4 true leaves.
- Apply 16-32 ozs, per acre at first bloom.
- Apply 16-32 ozs. per acre at first fruit set.

NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre at 7–10 day intervals after the first application throughout the growing season.

Sweet Corn & Popcorn

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz per 50lb bag, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when plants are in the 4-6 leaf stage.
- Apply 16-32 ozs. per acre at the 8-10 leaf sate.

Potatoes

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre at tuber initiation (approximately 4-6 weeks after emergence.)
- Apply 16-32 ozs. per acre at pre-bloom stage.
- Apply 16-32 ozs. per acre during bloom.



- Treat slips prior to transplanting with a 2% solution of FoliarBlend
- Apply 16 32 oz per acre to beds prior to or during transplanting
- Apply 16-32 ozs. per acre after 3rd new leaf
- Apply 16-32 ozs. per acre at pre-bloom stage
- Apply 16-32 ozs. per acre during bloom



Fruit and Nuts Usage

The applications listed may be applied in conjunction with corresponding liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gals. of water per acre.

Compatibility: FoliarBlend is compatible with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that FoliarBlend can stimulate higher yields through increased nutrient uptake, larger root mass, earlier fruiting and increased fruit retention. It is not a replacement for fertilizer. Soil sample regularly and use FoliarBlend in conjunction with good fertility practices.

Dates, Figs, Olives, Persimmons & Pomegranates

- Apply 16–32 ozs. per acre during pink bud stage.
- Apply 16–32 ozs. per acre every 2–3 weeks up to harvest.

Apples & Pears

- Apply 16–32 ozs. per acre at green growth (tight cluster) stage.
- Apply 16–32 ozs. per acre at pre-bloom stage.
- Apply 16–32 ozs. per acre at half bloom stage.
- Apply 16–32 ozs. per acre at 3/4 petal fall.
- Apply 16–32ozs. per acre at young fruit stage.

Wine, Table Grapes & Kiwifruit

- Apply 16–32 ozs. per acre at the start of spring growth.
- Apply 16–32 ozs. per acre at pre-bloom stage.
- Apply 16–32 ozs. per acre at fruit set.

Almonds, Pecans & Walnuts

- Apply 16–32 ozs. per acre at early bloom.
- Apply 16–32 ozs. per acre every 4–6 weeks until after nut fill.

Citrus & Avocados

- Apply 16–32 ozs. per acre pre-bloom
- Apply 16–32 ozs. per acre at full bloom – 2/3 petal fall.
- Apply 16–32 ozs. per acre when fruit is approximately 1/2 inch in diameter.

Peaches, Nectarines, Apricots & Cherries

- Apply 16–32 ozs. per acre at pre- to early bloom stage.
- Apply 16–32 ozs. per acre at petal fall.
- Apply 16–32 ozs. per acre at young fruit stage.

Plums & Prunes

- Apply 16–32 ozs. per acre at white bud stage.
- Apply 16–32 ozs. per acre at early bloom.
- Apply 16–32 ozs. per acre at petal fall.
- Apply 16–32 ozs. per acre at fruit set.

Berry Bushes

- Apply 16–32 ozs. per acre at leaf initiation.
- Apply 16–32 ozs. per acre at early bloom stage.
- Apply 16–32 ozs. per acre at late petal fall.
- Apply 16–32 ozs. per acre at fruit set.

Strawberries

- Apply 24–32 ozs. per acre as soon as there is sufficient foliage to absorb spray.
- Apply 24–32 ozs. per acre at first bloom stage.
- Apply 24–32 ozs. per acre at fruit set.

NOTE: Sprays can continue every 14 days through harvest.

Who We Are

Agri-Gro Marketing, Inc.

For more than 30 years, Agri-Gro Marketing, Inc., has established a tradition of excellence, manufacturing an ever-increasing line of innovative products that offer unmatched value for the global marketplace. Over that time, we have become leaders in the field of bio-stimulant technology for agricultural and horticultural use. Thanks to the development of innovative products like FoliarBlend, producers around the globe can grow higher quality, better yielding crops while reducing production costs and the need for chemical inputs.

Quite simply, our technology helps growers create healthier, more balanced soils and plants that produce higher yields with superior quality. Most of the focus in agriculture is on the

chemical and physical aspects of the production process and rightfully so, they are truly important. However, in order to maximize any plant's yield poten-

tial one must look beyond just the physical and chemical and consider the biological element of crop production as well. This is an essential area of crop production that many growers overlook and why FoliarBlend was developed. It is a truth, FoliarBlend does what fertilizer and physical tillage alone cannot.

Our products have been tested by the USDA and numerous state universities and proven under field conditions to perform as claimed. FoliarBlend improves the yield and quality of grain, fruit, vegetable and horticultural crops while decreasing fertilizer requirements and the need for chemical inputs such as pesticides, herbicides and fungicides. Agri-Gro's proprietary

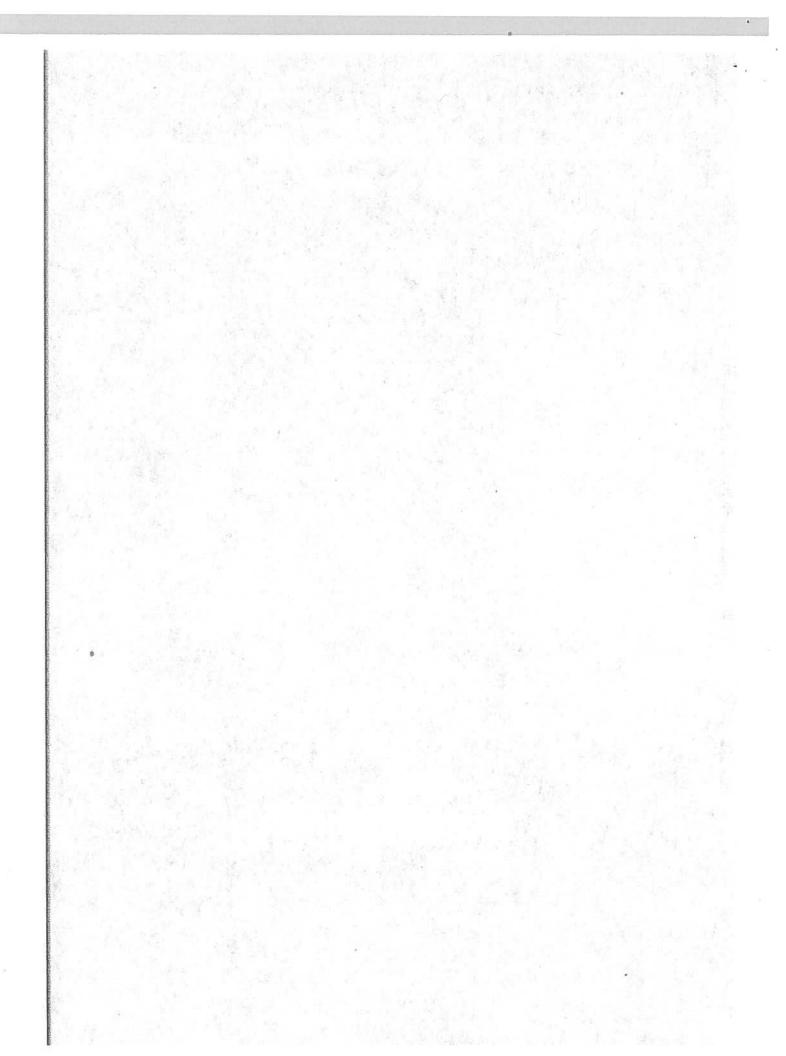
formulations are derived from a unique process that extracts beneficial plant compounds along with naturally occurring bacteria and fungi. Our products are environmentally safe, non-toxic, noncarcinogenic and contain no pathogenic microorganisms.



For more information on additional products by Agri-Gro Marketing, Inc. visit www.agrigro.com



www.foliarblend.com



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Product Info

IgniteS¹ Soil and Starter Supplement

Start Strong...

IgniteS² by Agri-Gro® is formulated to get your crops out of the gate early before stress and lack of nutrition can rob them of the development, health, and yield they were designed to produce.

...Finish Strong!

IgniteS² contains essential nutrients along with powerful soil and plant stimulants not found in ordinary fertilizers that help plants maximize yield and overcome stress from weather, disease, and lack of nutrition, IgniteS² ensures that your soil and crops are getting the nutrition they require when It is needed most

With IgniteS² you can tank mix a product into your normal spray or in-row starter program that has a targeted effect on the soil and plants' biological system. This effect improves soil structure, increases fertilizer efficiency, improves / germination and plant growth, boosts yields and lowers disease pressure. IgniteS² is designed to do all that and more

IgniteS² supplies essential nutrients and growth stimulants that strengthen the plants' natural defense system while boosting plant growth, allowing crops to reach their genetic yield potential. Field studies have shown that crops treated with IgniteS2 are healthier and experience less disease pressure, have improved nutrient availability, establish larger root systems with stronger stalks and higher yields

For more on IgniteS2, flip through our latest brochures under "Leam More",

DISCLOSURE: IgniteS2® is a nutritional supplement to the soil and plant. It is NOT a posticide, fungicide or insecticide and is not intended to replace the role of such inputs by any grower who uses such products. Any statements or reports contained herein regarding the product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem.



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Main Brochure

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5 gallon cases 55 gallon drums 275 gallon mini-totes

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PRODUCTS

Agri-Gro Bio-Stimulant FoliarBlend Bio-Stimulant IgniteS2 Soil & Starter Supplement Agrl-Cal Liquid Caldum

Turf Formula Bio-Stimulant

Bountiful Harvest Bio-Stimulant Nutri-Zymo Water & Feed Additive

Indigo Wastewater Treatment

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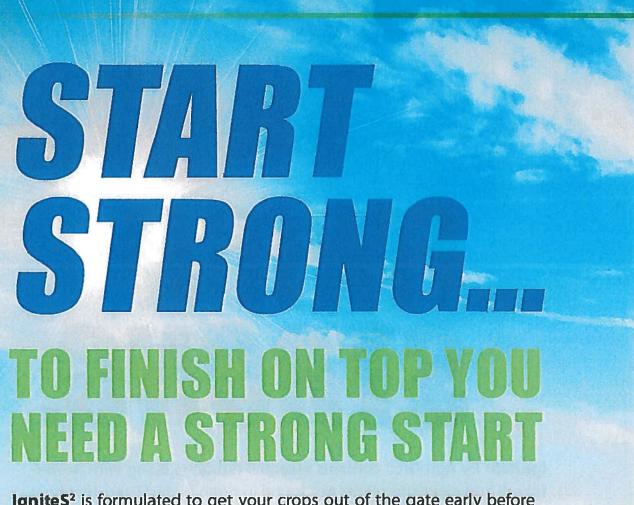
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SON AND STARTER SUPPLIES.

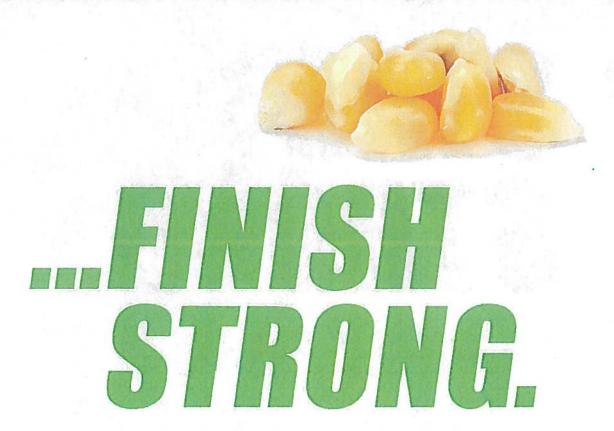
HEALTHIER SOILS | STRONGER PLANTS | HIGHER YIELDS

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IgniteS² is formulated to get your crops out of the gate early before stress and lack of nutrition can rob them of the development, health, and yield they were designed to produce.





IgniteS² by Agri-Gro® contains essential nutrients along with powerful soil and plant stimulants not found in ordinary fertilizers that help plants maximize yield and overcome stress from weather, disease, and lack of nutrition. **IgniteS**² ensures that your soil and crops are getting the nutrition they require when it is needed most.

With IgniteS² you can tank mix a product into your normal spray or inrow starter program that has a targeted effect on the soil and plants' biological system. This effect improves soil structure, increases fertilizer efficiency, improves germination, plant growth, plant health, and boosts yields. IgniteS² is designed to do all that and more.

IgniteS² supplies essential nutrients and growth stimulants that strengthen the plants' natural defense system while boosting plant growth, allowing crops to reach their genetic yield potential. Field studies have shown that crops treated with IgniteS² are healthier and experience less disease pressure, have improved nutrient availability, establish larger root systems with stronger stalks and higher yields.

ITALL STARTS WITH... THE SOIL

If your soil is like most, you probably have an abundance of insoluble nutrients that are not available to your crops. These are nutrients you have paid for, but are not receiving any benefit from. IgniteS² will harness these nutrients and put them to work for your crop during the growing season.

When soil applied or placed in furrow at planting, various studies have shown the active ingredients in IgniteS² trigger a natural biological process that creates an explosion of beneficial microbial growth of 3,000% or more within the first 72 hours of application. This increased enzymatic and microbial activity works to release insoluble nutrients in the soil and convert them to a soluble form plants can utilize. By improving the uptake and availability of applied fertilizers and those nutrients presently in the soil, IgniteS² helps "Get What You're Paying For" out of the soil and into the plant where it's needed.

It's time to get what you're paying for out of the soil and into the plant where it's needed. ??

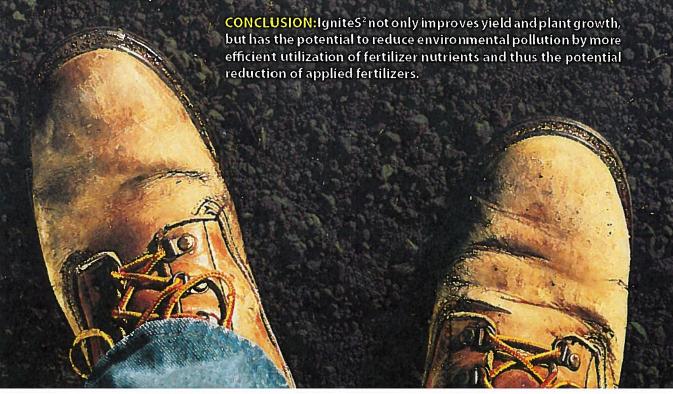
This tremendous increase in the availability of nutrients has a direct effect on the growth and development of your crops, resulting in healthier, higher quality plants with better yields.

University testing has proven that when applied broadcast to the soil or placed in-furrow at planting, the active ingredients in IgniteS² create significantly higher concentrations of available nitrogen, calcium, copper, potassium, magnesium, manganese, phosphorus, boron, molybdenum, iron and zinc compared to untreated soils. IgniteS² also boosts the concentration of these nutrients in the vegetative tissue as well, having a positive result on yield, test weight, and quality.

PERCENT OF INCREASE IN NUTRIENT AVAILABILITY USING IGNITES²



In a detailed university study, the active ingredients in IgniteS² significantly increased the uptake and availability of 12 macro and micro-nutrients while lowering the levels of sodium in the soil and plant tissue.



BETTER NUTRIENT CYCLING AND RESIDUE MANAGEMENT

In nature, when plants and animals expire, over time they decay with exposure to water, sun, air, and the family of naturally occurring micro-organisms called decomposers. However, in most commercially farmed soils, the biological activity in the soil has become very low.

This leaves partially decomposed organic matter and crop residue to accumulate, which minimizes the soil's effectiveness to transfer nutrients and increasing the risk of seedling disease. The resulting consequences create a greater need for applied fertilizers and chemical fungicides to sustain favorable growing conditions.

IgniteS² re-invigorates this natural biological process by increasing the populations of indigenous decomposing micro-organisms in the soil. In fact, research by EMSL Labs, New York, NY, verified the active

ingredients in IgniteS² are able to stimulate microbial activity by 3400% within 24 hours of application. This improves the natural bio-degradation process which allows the earth to recycle itself, resulting in more organic matter and the produc-

tion of humus, a valuable source of plant nutrition.

With **IgniteS**² stimulating this powerful microbial process, crops will benefit from a noticeable increase in available nutrients as well as the production of other plant beneficial compounds in-

cluding proteins, enzymes, antibiotics, and growth stimulants these microbes generate. Germination and early plant development is significantly improved and the plant/soil system becomes healthier and more efficient in its uptake of nutrients, requiring less water and applied fertilizers to produce higher crop yields.

SOILS WITH LOW LEVELS OF MICROBIAL ACTIVITY WILL NOT BE AS PRODUCTIVE AS THOSE WITH ELEVATED LEVELS OF BENEFICIAL MICRO-ORGANISMS. REGARDLESS OF THE AMOUNT OF FERTILIZER APPLIED.



BENEFITS AT A GLANGE

Improves soil structure; tilth, porosity, and friability.

Improves crop quality and yields.

Assists in seed germination and early plant growth.

Improves natural resistance to pests and drought.

Improves development of root systems.

Minimizes the impact of pH extremes.

Improves the availability of resident soil minerals and fertilizer materials.

Improves water management within soil.

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Product Info

FoliarBlend® Bio-Stimulant

Extreme temperatures, adverse weather conditions, disease, insect pressure, plus inadequate and imbalanced plant nutrition... All of these conditions can rob your crops of the yield and

profits you deserve!

When applied as part of a good management program, FoliarBlend® works to keep your plants and the immediate soil environment, "spiked up" with the nutrition and growth supplements required to maximize yield and minimize plant stress

FoliarBlend® simply helps a plant to reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, strengthening the plants' natural defense system and building a healthy, disease suppressive growing environment. Research has proven that crops treated with FoliarBlend® are healthier and experience less disease pressure, have improved nutrient availability, establish larger root systems with stronger stalks and higher yields.

FoliarBlend® represents a new generation of bio-stimulant technology. Containing complex carbohydrates, plant essential macro and micronutrients, a proprietary blend of beneficial enzymes, amino acids and a host of naturally occurring plant and soil stimulants not found in ordinary fertilizers. FoliarBlend® has a profound effect on both the plant's and the soil's microbial environment.

For more on FoliarBlend®, flip through our latest brochures under "Learn More".

DISCLOSURE: FoliarBlend® is a nutritional supplement to the soil and plant. It is NOT a pesticide, fungicide or insecticide and is not intended to replace the role of such inputs by any grower who uses such products. Any statements or reports contained herein regarding the product's benefits or mode of action are the result of a nutritional response by the plant from the soil ecosystem.



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Cotton Brochure Rice Brochure

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PRODUCTS

Agri-Gro Bio-Stimulant FoliarBlend Bio-Stimulant IgniteS2 Soil & Starter Supplement

Agri-Cal Liquid Calcium Turf Formula Bio-Stimulant

Bountiful Harvest Bio-Stimulant

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RESEARCH RESULTS

+11.3

BUSHELS / ACRE INCREASE IN CORN

When applied at 16oz/acre in furrow, at planting.

Irrigation Research Foundation Yuma, Colorodo. 2011

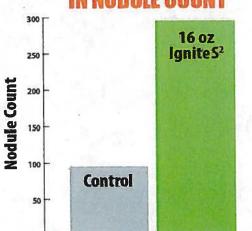
IGNITES² SIGNIFICANTLY
INCREASES ROOT GROWTH
AND NITROGEN NODULATION
ON SOYBEANS, when applied at
16oz/acre in furrow, at planting.



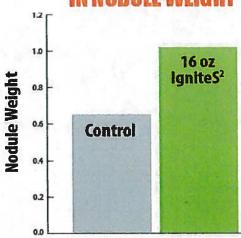
No Treatment

16 oz IgniteS² In Furrow

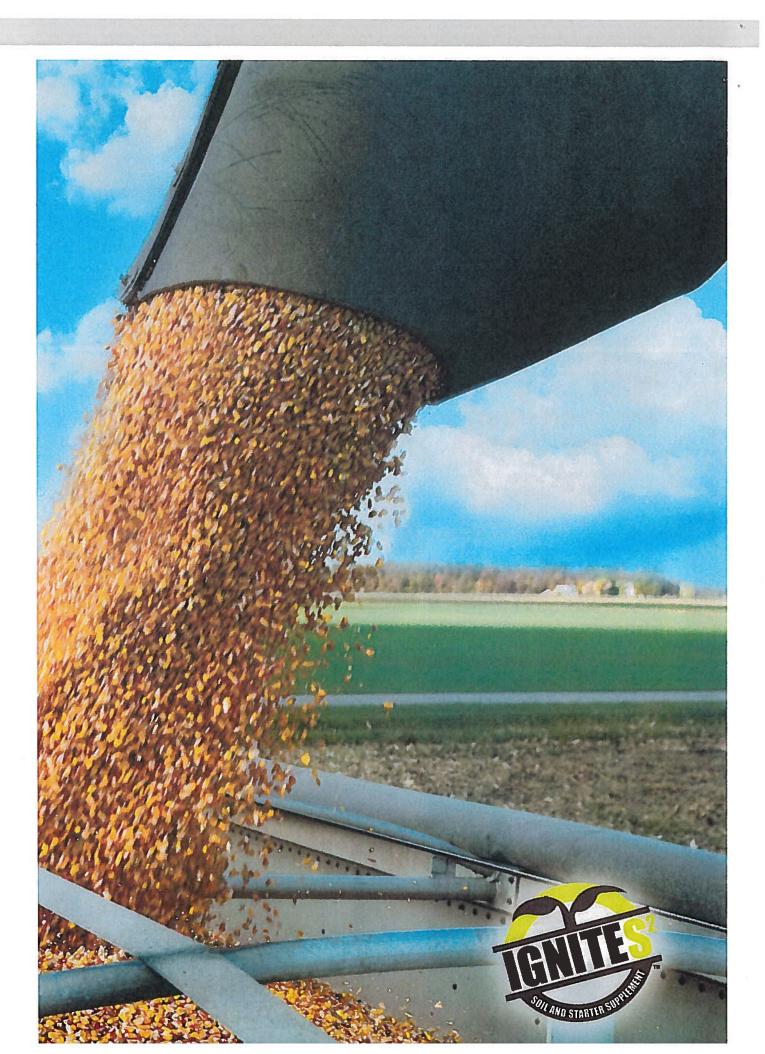
211% INCREASE IN HODULE COUNT



57% INCREASE IN NODULE WEIGHT



Research by University of Arkansas. 2011



APPLICATION DIRECTIONS

BROADCAST SOIL APPLICATION: To enhance nutrient uptake and availability and improve crop residue management, IgniteS² should be soil applied in the spring and/or fall at a rate of 1-2 pints per acre, per application.

IN ROW / STARTER APPLICATION: IgniteS² should be applied in-furrow or 2x2 with all liquid starters at a rate of 1-2 pints per acre at planting.

IGNITES² CAN BE APPLIED THROUGH STANDARD GROUND OR AERIAL APPLICATION EQUIPMENT AND MAY BE MIXED WITH MOST HERBICIDES, PESTICIDES, FUNGICIDES AND LIQUID FERTILIZERS.



IgniteS² is available in:

- 5 gallon boxes
- 55 gallon drums
- 275 gallon totes

Formulated for all:

- field crops
- fruit crops

FoliarB

vegetable crops

IgniteS² is a first line of defense to protect your crops and take yields to the next level. To maximize yields, plant health, and boost profits even further, continue treating established crops with FoliarBlend® by Agri-Gro®. Please contact your local distributor or visit us online at www.agrigro.com to learn more about FoliarBlend® and the other fine products offered by Agri-Gro Marketing, Inc.

www.laniteS2.com

